Docket Number: 081468-0307720 Client Reference: P-1503.020-US



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of

HANSEN

Group Art Unit: NOT ASSIGNED

Application No.: 10/773,397

Examiner: NOT ASSIGNED

Filed: February 9, 2004

Confirmation No.: NOT ASSIGNED

For: LITHOGRAPHIC APPARATUS AND METHOD FOR OPTIMIZING AN ILLUMINATION SOURCE USING PHOTOLITHOGRAPHIC SIMULATIONS

May 10, 2004

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR 1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. One copy of the Liebchen application and each article is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom. Applicants respectfully request the Examiner return an initialed copy of the enclosed Form PTO-1449 to Applicants with the next Office communication to indicate that the reference(s) has been considered, per MPEP § 609.

This Information Disclosure Statement is being filed before the mailing date of the first Office Action on the merits in the present application. No certification or fee is required.

This application is one of a series of related applications, identified in the attached Appendix, which are directed to related technical subject matter. The identification of those U.S. Patent Applications is not to be construed as a waiver of secrecy as to those applications now or upon issuance of the present application as a patent. The Examiner

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is respectfully requested to consider the cited applications and the art cited therein during examination.

Respectfully submitted,

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Telephone: (703) 905-2000 Facsimile: (703) 905-2500 Customer Number: 00909 HANSEN - 10/773,397 Docket No. 081468-0307720

APPENDIX

Examiner's Initials	First Inventor	Application No.	Filing Date	Enclosed
	Liebchen	10/705,234	November 12, 2003	SpecificationDrawingsOther: Claims

The Examiner's initials indicates he/she has considered the cited application relative to the subject application.

DO NOT PRINT the above information on the patent which results from the subject application.

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	FR	Burkhardt et al								Contact Patter	ns,"						
	GR																
	HR	Chen et al., "Optical Proximity Correction for Intermediate-Pitch Features Using Sub-Resolution Scattering Bars," <i>Journal of Vacuum Science & Technology B</i> ," Vol. 15, No. 6, Nov/Dec 1997, pp. 2426-2433.															
	IR	Flagello et al., "Lithographic Lens Testing: Analysis of Measured Aerial Images, Interferometric Data and Photoresist Measurements," SPIE Microlithography Seminar, 1996.															
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	OR																
	PR	Suzuki et al., "Multilevel Imaging System Realizing k ₁ =0.3 Lithography," <i>SPIE</i> , Vol. 3679, March 1999, pp. 396-407.															
	QR	Wong et al., "Level-Specific Lithography Optimization for 1-Gb DRAM," <i>IEEE Transactions on Semiconductor Manufacturing</i> , Vol. 13, No. 1, February 2000, pp. 76-87.															
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